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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/817,069	
	Filing Date	April 2, 2004	
	First Named Inventor	Ranjit KUMAR	
	Group Art Unit	1754	
	Examiner Name		
Total Number of Pages in This Submission		Attorney Docket Number	W9645-01

ENCLOSURES <i>(check all that apply)</i>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): IDS Transmittal Letter (x2); Copies of Five (5) Cited References; and Return Receipt Post Card..
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Charles A. Cross
Signature	
Date	January 3, 2005

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Debra. P. Darcey	Date	January 3, 2005



Attorney Docket No. W9645-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :)	Before the Examiner:
Ranjit KUMAR)	
)	
Serial No.: 10/817,069)	Group Art Unit: 1754
)	
Filed: April 2, 2004)	Date: January 3, 2005
)	
For: Catalyst Compositions Comprising)	
Metal Phosphate Bound Zeolite and)	
Methods of Using Same To Catalytically)	
Crack Hydrocarbons)	

Mail Stop: Amendments
Commissioner for Patents
P.O. Box 1450
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Sir:

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

Pursuant to 37 CFR §1.8, I hereby certify that I have a reasonable basis to expect that this correspondence will be deposited with the United States Postal Service on or before the date indicated as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

1/3/05
Date

Debra P. Parney
Signature

**INFORMATION DISCLOSURE STATEMENT TRANSMITTAL
LETTER/PETITION FOR CONSIDERATION UNDER 37 CFR §1.97**

I. Enclosed is:

- a. ☒ Information Disclosure Statement Form No. PTO-1449 and copies of references where indicated.
- b. ☐ Copy of the European Search Report dated _____ on European Application No. _____ which is:
- ☐ The European counterpart of the above-identified U.S. application or one of its Parental ancestors, i.e. USSN _____, filed _____.
- ☐ The European counterpart of related USSN _____, filed _____.
- c. ☐ Copy of the PCT Search Report dated _____ on PCT Application No. _____ which is:

- ☐ The PCT counterpart of the above-identified U.S. application or one of its Parental ancestors, i.e. USSN _____, filed _____.
- ☐ The PCT counterpart of related USSN _____, filed _____.
- d. ☐ Copy of the _____ Search Report dated _____ on the corresponding _____ counterpart of the above-identified U.S. application.
(country)
- e. ☐ Explanatory comments attached hereto as Appendix 1.
- f. ☒ COPIES_(check at least one box)
- ☒ A legible copy of (i) each ☐ U.S.* ☒ foreign patent; (ii) ☒ each publication or that portion which caused it to be listed; and (iii) ☒ all other information or that portion which caused it to be listed. (*Copies Of US Patents do not have to be provided for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003).
- ☐ Some or all of the documents listed on the PTO1449 are not enclosed because they were cited in the International Search Report and copies should already be in the PTO file. If copies are needed, please contact the undersigned.
- g. ☒ Concise Explanation Of Relevance
(check at least one box)
- ☐ Documents Not In The English Language
- ☐ A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:
- ☐ A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as attached.
- ☒ Documents In The English Language
All of the patents, publications or other information are in the English language. No statement of relevancy is required.
- ☐ English Language Search Report
An English language version of the search report or action which indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).
- ☐ Other
The following additional information is provided for the Examiner's consideration.
- II. ☒ The Examiner is requested to consider the references cited in the attached Information Disclosure Statement without a fee or certification because it was filed:

- ☐ within three months of the filing date of this national application, other than a continued prosecution application under 1.53(d);
- ☐ within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
- ☒ before the mailing date of a first Office Action on the merits; or
- ☐ before the mailing of a first Office Action after filing of a Request for Continued Examination under §1.114.

III. ☐ The Examiner is requested to consider the attached Information Disclosure Statement pursuant to 37 CFR §1.97(c) in that it is being filed after the periods specified in Paragraph II above, but before the first to occur of the mailing date of either:

- ☐ Final Action under 37 CFR §1.113; or
- ☐ Notice of Allowance under 37 CFR §1.311; or
- ☐ An action that otherwise closes prosecution in the application;

and in support of such request the undersigned either:

- ☐ has made the certification hereinbelow at Paragraph IVB pursuant to 37 CFR §1.97(e); or
- ☐ is paying a petition fee under 37 CFR §1.17(p) in the amount of \$180.00.

IVA. ☐ The Examiner is requested to consider the attached Information Disclosure Statement pursuant to 37 CFR §1.97(d) in that it is being filed before the payment of the Base Issue Fee and after the mailing date of any:

- (1) Final Action under 37 CFR §1.113;
- (2) Notice of Allowance under 37 CFR §1.311; or
- (3) An action that otherwise closes prosecution in the application.

and in support of said request the undersigned:

- (i) has made the certification hereinbelow at Paragraph IVB pursuant to 37 CFR §197(e); and
- (ii) is paying a petition fee under 37 CFR §1.17 (P) in the amount of \$180.00.

IVB. Certification Under 37 CFR §1.97(e)
[applicable to only III or IV above]

- ☐ The undersigned hereby certifies that for each item of information contained in the Information Disclosure Statement it was either:
 - (1) first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement, or

- (2) not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned upon making reasonable inquiry, was not known to any individual designated in §1.56(c) more than three months prior to the filing of the statement.

- V. ☐ The Examiner is requested to make the art of record in the following parental U.S. applications relied upon for an earlier filing date under 35 USC §120, of record in the present above-identified application.

U. S. Serial No.	Filing Date

VI. Fee Payment

- ☐ Petition fee under 37 CFR §1.17(p) to consider Information Disclosure Statement under 37 CFR §1.97(c) and (d) (fee code 1806) is \$180.00.
- ☐ Charge \$_____ to Deposit Account No. 07-1770.
- ☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR §1.16 and §1.17 which may be required by this paper, or credit any overpayment, to Deposit Account No. 07-1770. A duplicate copy of this Form is enclosed.
- ☐ A check in the amount of the fee is enclosed
- ☒ No fee due.

January 3, 2005
Date of Signature

Charles A. Cross
Attorney or Agent
Charles A. Cross - Reg. No. 32,406
Telephone: (410) 531-4508

Post Office Address (to which correspondence is to be sent): W. R. Grace & Co.-Conn.
Patent Dept.
7500 Grace Drive
Columbia, MD 21044-4098

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)



ATTY. DOCKET NO.

W9645-01

Page 1 of 4

SERIAL NO

10/817,069

APPLICANT

KUMAR, Ranjit

FILING DATE

4/2/2004

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	Copy Submitted
	3293192	12/20/1966	Maher et al.	252	430	8/23/1965	<input type="checkbox"/>
	3449070	6/10/1969	McDaniel et al.	23	111	12/20/67	<input type="checkbox"/>
	3649523	3/14/1972	Bertolacini et al.	208	111	4/10/1969	<input type="checkbox"/>
	3702886	11/14/1972	Argauer et al.	423	328	10/10/69	<input type="checkbox"/>
	4178267	12/11/1979	McKay, Dwight L.	252	411	12/15/1978	<input type="checkbox"/>
	4288647	9/8/1981	CHU, Chin-Chiun	585	467	3/10/1980	<input type="checkbox"/>
	4454241	6/12/1984	Pine et al.	502	68	5/24/82	<input type="checkbox"/>
	4465780	8/14/1984	Pine	502	68	10/14/1982	<input type="checkbox"/>
	4504382	3/12/1985	Pine	208	114	4/3/1984	<input type="checkbox"/>
	4567152	1/28/856	Pine	502	64	12/13/84	<input type="checkbox"/>
	4578371	3/25/1986	Rieck et al.	502	71	7/16/1984	<input type="checkbox"/>
	4579994	4/1/1986	Kiyozumi et al.	585	640	2/28/1985	<input type="checkbox"/>
	4584091	4/22/1986	Pine	208	114	12/31/84	<input type="checkbox"/>
	4605637	8/12/1986	Chang et al.	502	64	1/22/1985	<input type="checkbox"/>
	4629717	12/16/1986	Chao	502	208	6/11/1985	<input type="checkbox"/>
	4692236	9/8/1987	Sato et al.	208	114	9/19/1985	<input type="checkbox"/>
	4724066	2/9/1988	Kirker et al.	208	114	12/12/1985	<input type="checkbox"/>
	4765884	8/23/1988	Walker et al.	208	89	7/2/87	<input type="checkbox"/>
	4839319	6/13/1989	Schuette et al.	502	64	8/17/87	<input type="checkbox"/>
	4873211	10/10/1989	Walker et al.	502	64	5/13/88	<input type="checkbox"/>
	5110776	5/5/1992	Chitnis et al.	502	64	3/12/91	<input type="checkbox"/>

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO. W9645-01		Page <u>2</u> of <u>4</u> SERIAL NO 10/817,069	
				APPLICANT KUMAR, Ranjit			
				FILING DATE 4/2/2004		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	Copy Submitted
	5194412	3/16/2993	Roberie et al.	502	64	1/22/1991	<input type="checkbox"/>
	5286369	2/15/1994	Roberie et al	208	114	10/26/92	<input type="checkbox"/>
	5302567	4/12/1994	Miller et al.	502	67	11/4/1991	<input type="checkbox"/>
	5521133	5/28/1996	Koermer et al.	502	68	11/29/1994	<input type="checkbox"/>
	6040257	3/21/2000	Drake et al.	502	64	11/7/1997	<input type="checkbox"/>
	6074975	6/13/2000	Yao et al.	502	64	3/3/1998	<input type="checkbox"/>
	6080303	6/27/2000	Cao et al.	208	120.1	3/11/1998	<input type="checkbox"/>
	6083865	7/4/2000	Drake et al.	502	68	10/14/1998	<input type="checkbox"/>
	6211104	4/3/2001	Shi et al.	502	67	10/15/1998	<input type="checkbox"/>

EXAMINER	DATE CONSIDERED
<small>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>	

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				APPLICANT KUMAR, Ranjit				
				FILING DATE 4/2/2004		GROUP		
FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS SUBMITTED?	Copy Submitted	ENG LANG EQUIV
	0 903 178 A1	3/24/1999	EP	B01J29	40	No	<input checked="" type="checkbox"/>	
	01/46342	6/28/2001	WO	C10G29	02	No	<input checked="" type="checkbox"/>	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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		APPLICANT KUMAR, Ranjit			
		FILING DATE 4/2/2004		GROUP	
EXAMINER INITIAL*	OTHER DOCUMENTS (Including author , Title, Date, Pertinent Pages, Etc.)			TRANS SUBMITTED ?	Copy Submitted
	G. W. Young, G.D. Weatherbee, and S.W. Davey, "Simulating Commercial FCCU Yields With The Davison Circulating Riser (DCR) Pilot Plant Unit," National Petroleum Refiners Association (NPRA) Paper AM88-52, pgs 1-30..			No	<input checked="" type="checkbox"/>
	J.S. Magee and M.M. Mitchell, Jr. Eds. Studies in Surface Science and Catalysis Volume 76, Ch 8, pp 257-292, Elsevier Science Publishers B.V., Amsterdam 1993, ISBN 0-444-89037-8 ; G.W. Young, "Realistic Assessment of FCC Catalyst Performance in the Laboratory," in Fluid Catalytic Cracking: Science and Technology.			No	<input checked="" type="checkbox"/>
	"Fluid Catalytic Cracking: Science and Technology", Vol 176, p 279-292, Ed. Magee, J.S. and Mitchell, Jr., M.M., (1993)			No	<input checked="" type="checkbox"/>

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	